The

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of

Ahmed Sallam

Application No.: 10/814,843

Filed: March 30, 2004

For: Using Mobility Tokens To Observe

Malicious Mobile Code

Confirmation No.: 6495

Group Art Unit: 2161

Examiner: Safet Metjahic

## INFORMATION DISCLOSURE STATEMENT

SONNENSCHEIN NATH & ROSENTHAL LLP Customer No. 45969

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 2005.

SONNENSCHEIN NATH & ROSENTHAL LLP

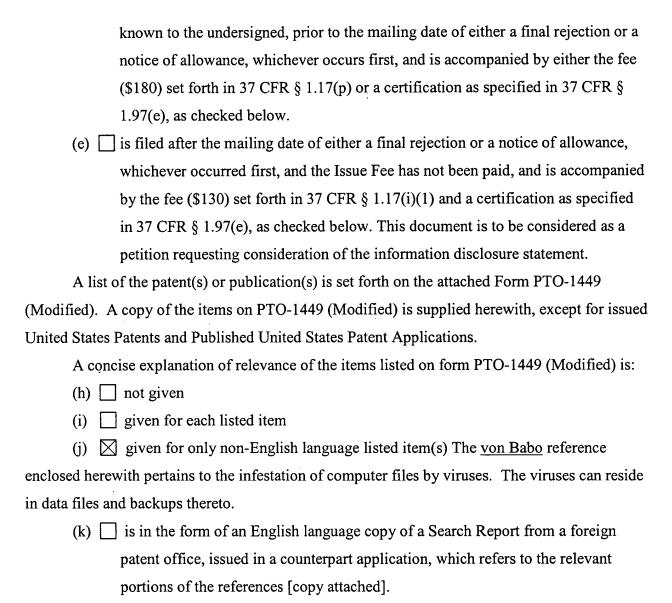
Dated 08/21/05 By: 10 By: Jeffrey Brill

Sir:

Applicant submits herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which he is aware, which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

(a) accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
(b) is filed within three months after the filing date of the application or within three
months after the date of entry of the national stage of a PCT application as set
forth in 37 CFR § 1.491.
(c) as far as is known to the undersigned, is filed before the mailing date of a first
Office Action on the merits, or before a first office action after filing a Request
for Continued Examination under §1.114.
(d) is filed after the first office action and more than three months after the
application's filing date or PCT national stage date of entry filing but as far as i



The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement

Atty Docket No.: 44420423-8951

complies with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 19-3140, for any fees required in connection with the filing of this Information Disclosure Statement. A duplicate copy of this Notice is enclosed for this purpose. In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

Respectfully submitted, SONNENSCHEIN NATH & ROSENTHAL LLP

Dated: 8/29/05

Jeffrey Brill,

Reg. No. 51,198 Attorney of Record

Attorneys for Applicant(s)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substitute form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known				
Application Number	10/814,843			
Filing Date	March 30, 2004			
First Named Inventor	Ahmed Sallam			
Group Art Unit	2161			
Examiner Name	Safet Metjahic			
Attorney Docket Number	44420423-8591			

Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear	
		4,776,537	10/11/1988	Kennicott	Relevant Figures Appeal	
		4,888,798	12/18/1989	Garsude et al.		
		5,050,212	09/17/1991	Earnest		
		5,103,476	04/07/1992	Waite et al.		
		5,182,770	01/26/1993	Medveczky et al.		
		5,432,851	07/11/1995	Scheidt et al.		
		5,450,576	09/12/1995	Kennedy		
		5,473,769	12/05/1995	Cozza		
		5,530,757	06/25/1996	Krawczyk		
		5,548,532	08/20/1996	Menand et al.		
		5,564,054	10/08/1996	Bramnick et al.		
		5,572,590	11/05/1996	Chess		
		5,596,711	01/21/1997	Burckhartt et al.		
		5,606,609	02/25/1997	Houser et al.		
		5,625,693	04/29/1997	Rohatgi et al.		
		5,661,848	08/26/1997	Bonke et al.		
		5,708,776	01/13/1998	Kikinis		
		5,758,359	05/26/1998	Saxon		
		5,765,151	06/09/1998	Senator		
		5,799,088	08/25/1998	Raike		
		5,802,080	09/01/1998	Westby		
		5,854,759	12/29/1998	Kaliski Jr. et al.		
		5,922,072	07/13/1999	Hutchinson et al.		
		5,951,698	09/14/1999	Chen, et al.		
		5,956,475	09/21/1999	Burckhartt et al.		
		5,956,481	9/21/1999	Walsh et al.		
		5,974,546	10/26/1999	Anderson		
		5,978,917	11/02/1999	Chi		
		5,987,610	11/16/1999	Franczek, et al.		
		6,000,032	12/07/1999	Millard		
		6,014,744	01/11/2000	McKaughan et al.		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unque citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known		
				Application Number	10/814,843	
INFORMATION DISCLOSURE				Filing Date	March 30, 2004	
STATEMENT BY APPLICANT			LICANT	First Named Inventor	Ahmed Sallam	
				Group Art Unit	2161	
(use as many sheets as necessary)		Examiner Name	Safet Metjahic			
Sheet	2	of	4	Attorney Docket Number	44420423-8591	

	6,014,767	01/11/2000	Glaise	
	6,048,090	04/11/2000	Zook	
	6,061,788	05/09/2000	Reynaud et al.	
, i	6,079,016	06/20/2000	Park	
	6,088,803	07/11/2000	Tso et al.	
	6,104,872	08/15/2000	Kubota, et al.	
	6,108,799	08/22/2000	Boulay, et al.	
	6,167,434	12/26/2000	Pang	
	6,192,379	02/20/2001	Bekenn	
	6,357,008	03/12/2002	Nachenberg	
	6,493,007	12/10/2002	Pang	
	6,535,891	03/18/2003	Fisher et al.	
	6,611,925	08/26/2003	Spears	
	6,721,721	04/13/2004	Bates et al.	
	US 2004/0015726	01/22/2004	Szor, Peter	
	US 2004/0162808	08/19/2004	Margolus et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Number  Country Code <sup>3</sup> Number Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		EP 0858031 A1	08/12/1998	IBM		
		WO 93/25024 A1	12/09/1993	Cyberlock Data Intelligence		
		WO 95/15522 A1	06/08/1995	Robert Jones		
		WO 95/22794 A1	08/24/1995	Apple Computer		

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unquie citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE				Application Number	10/814,843
				Filing Date	March 30, 2004
STA	STATEMENT BY APPLICANT			First Named Inventor	Ahmed Sallam
				Group Art Unit	2161
(use as many sheets as necessary)		Examiner Name	Safet Metjahic		
Sheet	3	of	4	Attorney Docket Number	44420423-8591

OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	CiteNo.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	<b>T</b> 2		
		RICHTER, J., Microsoft.com web pages (online). "Design a Windows NT Service			
		to Exploit Special Operating System Facilities", October 1997 (retrieved 2003-08-			
		29). Retrieved from the Internet: <url:< td=""><td></td></url:<>			
	,	http://www.microsoft.com/msj/1097/winnt.aspx.			
		PARKHOUSE, Jayne, "Pelican SafeTNet 2.0", [online] June 2000, SC Magazine			
		Product Review, [retrieved 12/1/2003] Retrieved from the Internet: <url:< td=""><td>1</td></url:<>	1		
		http://www.scmagazine.com/standalone/pelican/sc_pelican.html>			
		SZOR, P. and Ferrie, P., "Hunting for Metamorphic", Virus Bulletin Conference,			
		September 2001, Virus Bulletin Ltd., The Pentagon, Abingdon, Oxfordshire,			
		England, pp. 123-144.			
		News Release - Symantec Delivers Cutting-Edge Anti-Virus Technology with Striker32",			
		October 1, 1999, 2 pages, [online]. Retrieved on November 11, 2003. Retrieved from the			
		Internet: <url: 1999="" http:="" n991001.html="" press="" www.symantec.com="">. Author unknown.</url:>			
		SZOR, P. and Ferrie, P., Attacks on Win32", Virus Bulletin Conference, September			
		1998, Virus Bulletin Ltd., The Pentagon, Abingdon, Oxfordshire, England, pp. 57-			
		84.			
		SZOR, P. and Ferrie, P., "Attacks in Win32 Part II", Virus Bulletin Conference,			
		September 2000, Virus Bulletin Ltd., The Pentagon, Abingdon, Oxfordshire,			
		England, pp. 47-68.			
		VON BABO, Michael, "Zehn Mythen um Computerviren: Dichtung und Wahrheit			
		über den Schrecken des Informatikzeitalters," Technische Rundschau, Hallwag,			
		Bern, Switzerland, Vol. 84, No. 36. September 4, 1992, pp. 44-47.	ļ		
		DELIO, M., "Virus Throttle a Hopeful Defense", Wired News, retrieved from			
		Internet Http://www.wired.com/news/print/0,1294,56753,00.html 1/7/2003.			
		"System File Protection and Windows ME", [online], last updated December 4,			
		2001, [retrieved on 4/9/2002] Retrieved from the Internet: <url:< td=""><td></td></url:<>			
		http://www.Microsoft.com/hwdev/archive/sfp/winME_sfpP.asp>.			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unque citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/814,843
INFORMATION DISCLOSURE				Filing Date	March 30, 2004
STATEMENT BY APPLICANT			LICANT	First Named Inventor	Ahmed Sallam
				Group Art Unit	2161
(use as many sheets as necessary)		Examiner Name	Safet Metjahic		
Sheet	4	of	4	Attorney Docket Number	44420423-8591

"Description of Windows 2000 Windows File Protection Feature (Q222193)", [online], first published May 26, 1999, last modified January 12, 2002, [retrieved on 4/9/2002] Retrieved from the Internet <url: default.aspx?scid="kb:EN-US;q222193" http:="" support.microsoft.com="">.</url:>
"Software: Windows ME; Windows ME and System File Protection", [online] last updated March 11, 2002, [retrieved on 4/9/2002] Retrieved from the Internet: <url: http:="" mesfp.html="" www.wackyb.co.nz="">.  MACNAMRA, JOHN E., "Technical Aspects of Data Communication", 2ed. 1982, Digital Equipment Corporation, U.S.A. pp. 110-122.</url:>
ORE, Oystein, "Number Theory and Its History", 1976 Gudron Ore, U.S.A. pp. 124-129.
SZOR, P., "Memory Scanning Under Windows NT", Virus Bulletin Conference, September 1999, Virus Bulletin Ltd., The Pentagon, Abingdon, Oxfordshire, England, pp. 1-22.
SCHNEIER, BRUCE, "Applied Cryptography", 2ed. 1996, Bruce Schneier, U.S.A. pp. 436-441.
NAIR, et al., "A Symbol Based Algorithm for Hardware Implementation of Cycle Redundancy Check", IEEE, 1997.
"PC Medic 97 User's Guide" Manual, McAfee Associates, Inc., 1997, 60 pages
Symantec Corporation, "Norton Utilities for Windows User's Guide - Version 2.0", 1996.
Symantec Corporation "Norton AntiVirus Corporation Edition 7.0" Manual, 1999, Version 1, 44 pages

Examiner	Date	
Signature	Cons	idered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unque citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.